

Please type a plus sign (+) inside this box ☐

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-33886.1

First Named Inventor or Application Identifier

Heisley, Dave

Title

WAFER ALIGNMENT DEVICE AND METHOD

Express Mail Label No.

EL547742786US

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total **15**]
(preferred arrangement set forth below)
- Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
- Claim(s)
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC d113) [Total **9**]
Sheets
4. Oath or Declaration [Total Pages **1**]
- a. ☐ Newly Executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR §1.63(d))
(for continuation/divisional with Box 17 completed)
- [Note Box 5 below]**
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application,
see 37 CFR §1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of
the oath or declaration is supplied under Box 4b, is considered as
being part of the disclosure of the accompanying application and is
hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identical of above copies

**ACCOMPANYING APPLICATION
PARTS**

8. ☐ Assignment Papers (cover sheet & Documents(s))
9. ☐ 37 CFR §3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ Small Entity ☐ Statement filed in prior
Statement(s) application
(PTO/SB/09-12) Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other:

* A new statement is required to be entitled to pay small entity fees, except
where one has been filed in a prior application and is being relied upon.17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment:☐ Continuation☒ Divisional☐ Continuation-in-part (CIP)

of prior application No: 10/164,445

Prior application information: Examiner Stock Jr. Gordon

Group / Art Unit: 2877

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

023494(Insert Customer No. or Attach bar code label
here)

Correspondence address below

NAME	W. Daniel Swayze, Jr. Texas Instruments Incorporate		
ADDRESS	P.O. Box 655474 M/S 3999		
CITY	Dallas	STATE	Texas
COUNTRY	USA	TELEPHONE	(972) 917-5633
		ZIP CODE	75265
		FAX	(972) 917-4418

Name (Print/Type)	W. Daniel Swayze, Jr.	Registration No. (Attorney/Agent)	34,478
Signature	 3-2-2004		

TI-33886.1

FEE TRANSMITTAL for FY 2003 <i>Patent fees are subject to annual revision.</i> Express Mailing Label No.:		<i>Complete If Known</i>	
TOTAL AMOUNT OF PAYMENT		(\$) 770	
Application Number		TBD	
Filing Date		3/2/2004	
First Named Inventor		Dave A. Heisley	
Examiner Name		TBD	
Group Art Unit		TBD	
Attorney Docket No.		TI-33886.1	

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																																																																		
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <div style="margin-top: 10px;"> <table style="width: 100%;"> <tr> <td style="width: 30%;">Deposit Account Number</td> <td style="border: 1px solid black; text-align: center;">20-0668</td> </tr> <tr> <td>Deposit Account Name</td> <td style="border: 1px solid black; text-align: center;">Texas Instruments Incorporated</td> </tr> </table> </div> <div style="margin-top: 10px;"> <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 </div> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other </div>	Deposit Account Number	20-0668	Deposit Account Name	Texas Instruments Incorporated	<p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee of oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>400</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>920</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,440</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,960</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,280</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,280</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>460</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>620</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>123</td><td>130</td><td>Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(q))</td><td></td></tr> <tr><td>1806</td><td>180</td><td>126</td><td>180</td><td>Submission of information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times no. of properties)</td><td></td></tr> <tr><td>1809</td><td>740</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR §1.129(a))</td><td></td></tr> <tr><td>1810</td><td>740</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR §1.129(b))</td><td></td></tr> <tr><td>1801</td><td>740</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="4" style="text-align: right;"> SubTOTAL (1) </td> <td colspan="2" style="text-align: center;"> (\$) 750 </td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	205	65	Surcharge - late filing fee of oath		1052	50	227	25	Surcharge - late provisional filing fee or cover sheet		1053	130	139	130	Non-English specification		1812	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	112	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		1251	110	215	55	Extension for reply within first month		1252	400	216	195	Extension for reply within second month		1253	920	217	445	Extension for reply within third month		1254	1,440	218	695	Extension for reply within fourth month		1255	1,960	228	945	Extension for reply within fifth month		1401	320	219	155	Notice of Appeal		1402	320	220	155	Filing a brief in support of an appeal		1403	280	221	135	Request for oral hearing		1451	1,510	138	1,510	Petition to institute a public use proceeding		1452	110	240	55	Petition to revive - unavoidable		1453	1,280	241	620	Petition to revive - unintentional		1501	1,280	242	620	Utility issue fee (or reissue)		1502	460	243	220	Design issue fee		1503	620	244	300	Plant issue fee		1460	130	122	130	Petitions to the Commissioner		1807	50	123	130	Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(q))		1806	180	126	180	Submission of information Disclosure Stmt		8021	40	581	40	Recording each patent assignment per property (times no. of properties)		1809	740	246	355	Filing a submission after final rejection (37 CFR §1.129(a))		1810	740	249	355	For each additional invention to be examined (37 CFR §1.129(b))		1801	740	279	355	Request for Continued Examination (RCE)		1802	900	169	900	Request for expedited examination of a design application		Other fee (specify) _____						SubTOTAL (1)				(\$) 750	
Deposit Account Number	20-0668																																																																																																																																																																																																		
Deposit Account Name	Texas Instruments Incorporated																																																																																																																																																																																																		
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																
1051	130	205	65	Surcharge - late filing fee of oath																																																																																																																																																																																															
1052	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																															
1053	130	139	130	Non-English specification																																																																																																																																																																																															
1812	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																															
1804	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																															
1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																															
1251	110	215	55	Extension for reply within first month																																																																																																																																																																																															
1252	400	216	195	Extension for reply within second month																																																																																																																																																																																															
1253	920	217	445	Extension for reply within third month																																																																																																																																																																																															
1254	1,440	218	695	Extension for reply within fourth month																																																																																																																																																																																															
1255	1,960	228	945	Extension for reply within fifth month																																																																																																																																																																																															
1401	320	219	155	Notice of Appeal																																																																																																																																																																																															
1402	320	220	155	Filing a brief in support of an appeal																																																																																																																																																																																															
1403	280	221	135	Request for oral hearing																																																																																																																																																																																															
1451	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																															
1452	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																															
1453	1,280	241	620	Petition to revive - unintentional																																																																																																																																																																																															
1501	1,280	242	620	Utility issue fee (or reissue)																																																																																																																																																																																															
1502	460	243	220	Design issue fee																																																																																																																																																																																															
1503	620	244	300	Plant issue fee																																																																																																																																																																																															
1460	130	122	130	Petitions to the Commissioner																																																																																																																																																																																															
1807	50	123	130	Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(q))																																																																																																																																																																																															
1806	180	126	180	Submission of information Disclosure Stmt																																																																																																																																																																																															
8021	40	581	40	Recording each patent assignment per property (times no. of properties)																																																																																																																																																																																															
1809	740	246	355	Filing a submission after final rejection (37 CFR §1.129(a))																																																																																																																																																																																															
1810	740	249	355	For each additional invention to be examined (37 CFR §1.129(b))																																																																																																																																																																																															
1801	740	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																															
1802	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																															
Other fee (specify) _____																																																																																																																																																																																																			
SubTOTAL (1)				(\$) 750																																																																																																																																																																																															
<p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>740</td><td>201</td><td>355</td><td>Utility filing fee</td><td style="text-align: center;">\$ 770</td></tr> <tr><td>1002</td><td>330</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>510</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>740</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td style="text-align: center;">(\$) 750</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th colspan="2">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td style="border: 1px solid black; text-align: center;">13</td> <td>-20**=</td> <td style="border: 1px solid black; text-align: center;">X</td> <td style="border: 1px solid black; text-align: center;">18</td> <td style="border: 1px solid black;"></td> </tr> <tr> <td>Independent Claims</td> <td style="border: 1px solid black; text-align: center;">2</td> <td>-3** =</td> <td style="border: 1px solid black; text-align: center;">X</td> <td style="border: 1px solid black; text-align: center;">86</td> <td style="border: 1px solid black;"></td> </tr> <tr> <td colspan="4"></td> <td style="border: 1px solid black; text-align: center;">270</td> <td style="border: 1px solid black;"></td> </tr> </tbody> </table> <p>Multiple Dependent _____</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>84</td><td>209</td><td>40</td><td>**Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>210</td><td>9</td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: center;">(\$) 0</td> </tr> </tbody> </table> <p><small>**or number previously paid, if greater; For Reissue, see above</small></p>		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	1001	740	201	355	Utility filing fee	\$ 770	1002	330	206	160	Design filing fee		1003	510	207	245	Plant filing fee		1004	740	208	355	Reissue filing fee		1005	160	214	75	Provisional filing fee		SUBTOTAL (1)					(\$) 750	Extra Claims		Fee from below		Fee Paid		Total Claims	13	-20**=	X	18		Independent Claims	2	-3** =	X	86						270		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	1202	18	203	9	Claims in excess of 20		1201	84	202	40	Independent claims in excess of 3		1203	280	204	135	Multiple dependent claim, if not paid		1204	84	209	40	**Reissue independent claims over original patent		1205	18	210	9	**Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$) 0	<p style="text-align: right;">SubTOTAL (3) (\$) 0</p>																																																																																					
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																														
1001	740	201	355	Utility filing fee	\$ 770																																																																																																																																																																																														
1002	330	206	160	Design filing fee																																																																																																																																																																																															
1003	510	207	245	Plant filing fee																																																																																																																																																																																															
1004	740	208	355	Reissue filing fee																																																																																																																																																																																															
1005	160	214	75	Provisional filing fee																																																																																																																																																																																															
SUBTOTAL (1)					(\$) 750																																																																																																																																																																																														
Extra Claims		Fee from below		Fee Paid																																																																																																																																																																																															
Total Claims	13	-20**=	X	18																																																																																																																																																																																															
Independent Claims	2	-3** =	X	86																																																																																																																																																																																															
				270																																																																																																																																																																																															
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																														
1202	18	203	9	Claims in excess of 20																																																																																																																																																																																															
1201	84	202	40	Independent claims in excess of 3																																																																																																																																																																																															
1203	280	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																															
1204	84	209	40	**Reissue independent claims over original patent																																																																																																																																																																																															
1205	18	210	9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																																																															
SUBTOTAL (2)					(\$) 0																																																																																																																																																																																														

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type) W. Daniel Swayze, Jr.	Registration No. (Attorney/Agent) 34,478	Telephone (972) 917-5633	Date 3 - 2004
Signature 			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

TI-33886.1